
LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA.

BULLETIN No 387

BEANS

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BEANS

Ottawa, December 11th 1917.

J. U. VINCENT, Esq., K. C., B. A., L. Ph.,
Deputy Minister of Inland Revenue,

Sir,

I have the honour to present you with a report upon 318 samples of Beans, as found upon the Canadian retail market in August, September and October of this year.

Beans constitute a highly nutritious food for man, as well as for domestic animals. Konig (*Zusammensetzung*, etc. *Vierte Auflage*, Band 1, S. 1484) quotes the following percentage value :

	Water	Protein	Fat	Carbohydrates		Ash
				Starch	Fibre	
1. Phaseolus vulgaris..	18.20	18.44	0.78	45.32	1.29	3.29
2. " lunatus..	10.31	19.56	2.48	46.46	4.93	4.07
3. Soya beans (mean)..	14.38	30.43	18.20	15.00	6.48	3.98

It will be noted that the proteid matter of the bean is very high, and this is particularly true of the Soya (Soja) bean, which is also specially rich in fact.

The experiments of Thomas (Lusk, *Fundamental Basis of Nutrition*, p. 20) show that the protein of beans has a higher nutritive value than that of bread, and nearly twice as high a value as that of Indian Corn.

Using the prices which obtained in New York, in January 1913 it was found that each 1000 calories of energy furnished by dried beans, cost 4 cents, as against what flour, $2\frac{1}{2}$ cents; wheat bread $5\frac{1}{2}$ cents, Milk, 10 cents, mutton $16\frac{1}{4}$ cents sirloin beef 24 cents.

The bean is readily grown in most parts of the world. In tropical climes it develops a glucoside (Phaseolunatin) which yields hydrocyanic (prussic) acid on hydrolysis, the amount of this acid frequently reaching dangerous quantities, especially in beans grown in Java and Burma. Java beans, coming into France by way of Algeria, caused fatal illness; and in consequence of this a Decree was issued in 1912, forbidding the importation of Java beans, and also of other beans found to yield more than 20 parts per 100,000 of prussic acid. (equivalent to approximately 20 milligrammes in 3 ounces) The maximum dose permitted by the British Pharmacopoeia for prussic acid is 6 milligrammes; and it will be seen that three ounces of beans (not more than a hungry man might eat at one meal) containing as much as 20 milligrammes would certainly be fatal, unless the poison were got rid of before serving the food.

Fortunately, the nature of ripe beans is such that they cannot be prepared for the table without more or less prolonged soaking, followed by boiling. The prussic acid, being volatile, is thus got rid of in the steam, and residual amounts are usually so small as to be harmless. Nevertheless, cases have come to my notice to prove that serious illness may occasionally result from the use of these beans, although no fatalities are on record in Canada.

Numerous and large consignments of East India Beans have recently come to Canada; and this is particularly the case since the United States has forbidden the entrance of these beans found to contain "appreciable amounts of prussic acid" (Service and Regulatory Announcements, No. 219—published July 1917).

Up to the present time we have the following record of importations of Beans, since June of this year:

Via Port of	
Vancouver.....	446 (46 described as Soya Beans)
Victoria.....	8
Winnipeg.....	3
Saskatoon.....	2
Ottawa.....	3
Halifax.....	9
Belleville.....	1
Quebec.....	4
Moose Jav.....	1
Toronto.....	24
Hamilton.....	2
St. John N. B.....	4
Sudbury.....	1
Montreal.....	18
Port Arthur.....	2
North Bay.....	1
Calgary.....	1
London.....	2

Total Importations.. 532

The above list includes beans of many different varieties. All have been examined as to their prussic acid content and the following synoptically summarizes the result.

Containing no prussic acid.....	280 samples
" from traces to 10 parts per 100,000.....	49 "
" " 10 to 15 parts per 100,000.....	121 "
" " 15 to 20 " " 	63 "
" more than 20 " " 	19 "
<hr/>	
Total.....	532

Pending investigation as to the character of the importations into Canada, I advised this Department to adopt the limit set by the French Decree of 1912, and to forbid delivery of any beans found to yield more than 20 parts of prussic acid per 100,000. This recommendation has been acted upon, and as above stated, no fatalities have been reported from the use of these beans.

Several cases of more or less serious illness have however come to the notice of the Department; and it has become a matter of grave importance to decide whether or not the above limit is sufficiently conservative.

Investigation proves that proper soaking and subsequent boiling of the beans, rejecting in the first place the water in which these were originally soaked, is sufficient to render the beans safe as food. Any failure to observe the precautions named, may result in more or less dangerous consequences. It is during the soaking process that the poison is developed, and sufficient time must be allowed for this operation. It is best to let the soaking proceed over night. By pouring off this water, most of the prussic acid is got rid of, and the subsequent boiling with fresh water, makes the beans quite safe in use, when the total content in prussic acid does not exceed 20 parts per 100,000.

Cases of illness, so far as these have been fully investigated, appear to show that the beans have not been prepared for the table as above described; and in consequence the poison has not been boiled off. Whether due to ignorance or carelessness, the danger is sufficiently real and acute; and it is open to question whether we are justified, even in the present food stringency, in in taking such risk as is involved in permitting beans, carrying 20 parts prussic acid per 100,000, to be distributed. As already stated, this limit has been accepted by France since 1912; and I have not heard of any fatalities attending the use of beans, in that country, since the date named. I understand however, that a much lower limit of tolerance is fixed by the United States, and this probably accounts for the very large shipments of these beans to Canada in recent months.

The special object had in view in the collection now reported, was to discover to what extent beans containing prussic acid were distributed in Canada, and the results may be summarized as follows:

Samples yielding no prussic acid.....	173
" " less than 10 parts.....	61
" " 10 to 15 parts.....	40
" " 15 to 20 ".....	39
" " above 20 parts.....	5
Total.....	318

As already stated, this Department has refused admittance, at all Canadian ports, to beans yielding more than 20 parts prussic acid per 100,000 parts, since June last. It may be that the 5 samples found upon our retail markets, and showing more than 20 parts per 100,000 represent importations delivered before June 1917.

The distribution of these cyanogenetic beans is apparent from the following table of localities in which collections was made:

Inspectoral District	Total samples	Free from prussic acid	Containing prussic acid
Nova Scotia.....	15	14	1
New Brunswick.....	15	11	1
Quebec (city).....	35	29	6
" (province).....	27	21	6
Three Rivers.....	10	7	3
Eastern Townships.....	5	5	0
Montreal.....	15	13	2
Valleyfield.....	15	14	1
Ottawa.....	14	3	11
Kingston.....	13	11	2
Toronto.....	15	6	9
Hamilton.....	14	7	7
Windsor.....	10	7	3
North Ontario.....	13	7	6
Manitoba.....	15	0	15
Saskatchewan S.....	15	0	15
Saskatchewan N.....	13	0	13
Alberta.....	15	0	15
Rocky Mountains.....	14	12	2
Vancouver.....	15	2	13
Victoria.....	15	1	14
Total.....	318	173	145

It is apparent from this statement that these beans are mainly entered at the West seaboard of Canada, and are finding their way eastwards; already practically monopolizing the market as far east as Manitoba.

It is very important, from another point of view than that of safety in use, that these Eastern beans should be sold under a name which clearly distinguishes between them and beans which are the product of a temperate

climate. Their nature is such that when planted in our climate, they do not mature; and it would be quite possible for a farmer to lose the whole season's crop, if, by mistake, he sowed Oriental instead of native beans. I find that the great majority of sales made to our inspectors are simply described as "beans"; 17 sales of these beans were made as "white beans" and 3 as "navy beans". In a few cases only were they sold as "Burma" or "Rangoon" beans; though more frequently as "Japanese" beans. They are not actually the product of Japan, but are usually shipped by way of that country.

It may be necessary to insist upon all beans being offered under a name that shall inform the purchaser regarding the nature of the article; or at least to require that Oriental beans shall not be sold except under a name that shall make it impossible for the purchaser to mistake them for the native variety.

I beg to recommend publication of this report as Bulletin No. 387.

I have the honour to be Sir,

Your obedient servant,

A. MCGILL,

Chief Analyst.

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost.		Name and address of Manufacturer or Furnisher as given by the Vendor	
				Quantity	cts.	Manufacturer	Furnisher
DISTRICT OF NOVA SCOTIA :—							
1917							
Oct.	11	Beans	76701 Wm. Moore, Halifax.....	2 lbs.	30	Unknown.....	R. B. Seeton & Co., Halifax.
"	11	"	76702 Corkum & Ritcey, Halifax..	"	30	"	Unknown.
"	12	"	76703 Cahill & Co., Halifax.....	"	30	"	R. B. Seeton & Co., Halifax
"	16	"	76704 Bauld Bros. Ltd, Halifax.....	"	30	"	Unknown....
"	16	"	76705 R. B. Seeton & Co., Halifax.	"	30	"	"
"	17	"	76706 T. J. Brown, Halifax.....	"	34	"	John Tobin & Co., Halifax
"	17	"	76707 Wentzells Ltd., Halifax.....	"	32	"	Unknown....
"	30	"	76708 R. M. McDonald, Halifax....	"	35	"	R. B. Seeton & Co., Halifax.
"	30	"	76709 T. F. Courtney & Co., Halifax.	"	35	"	Bauld Bros. Ltd, Halifax.
"	30	"	76710 J. D Stewart, Halifax.....	"	30	"	"
"	31	"	76711 J. L. Wilson & Co, Halifax	"	32	"	Unknown
"	31	"	76712 Payzant & King, Halifax....	"	40	I. H. Shaffner., South Farmington, N. S.	Mfrs.
"	31	"	76713 Jas. A. Leaman & Co., Halifax.	"	40	Unknown.....	John Tobin & Co., Halifax
Nov.	1	"	76714 S. Thomson, Dartmouth, N.S.	"	35	"	R. B. Seeton & Co., Halifax
"	1	"	76715 B. O. Bishop, Dartmouth N. S.	"	34	"	Unknown....

DISTRICT OF NEW BRUNSWICK :—

Sept. 11	Beans white	78131	Walter Gilbert, St. John, N. B.	1½ lb	30	.....	James T. Logan, Broker, St. John.
" 11	"	78132	Coughlins Cash Grocery, St. John, N. B.	"	30	.....	Jones & Schofield, St. John
" 11	"	78133	J. P. Barrett, St. John, N. B.	"	30	.....	W. F. Hathe-way Co. Ltd St. John.
" 17	" Yellow.	78134	Vanwart Bros, St. John N.B.	"	30	.....	Northrup & Co., St. John
" 17	" White.	78135	Byron Bros., St. John N.B.	"	30	.....	W. F. Hathe-way Co., Ltd St. John.
" 17	" "	78136	Kirkpatrick & Cowan, St. John, N. B.	"	30	.....	Jones & Schofield, St. John
" 18	" "	78137	B. T. Hamilton & Co., St. John, N. B.	"	30	.....	W. F. Hathe-way Co., Ltd St. John.
" 19	" Yellow.	78138	E. W. Rowley, St. John, N.B.	"	30	.....	Geo. E. Barbour Co., Ltd St. John.
Oct. 18	" "	78139	Brown's Grocery, St. John, N. B.	"	35	.....	"
Nov. 6	" White	78140	W. A. Estabrook, Fredericton.	"	30	.....	A. F. Randolph Son, Fredericton.
" 7	" "	78141	H. M. DeWitt, Woodstock, N. B.	"	34	.....	Geo. E. Barbour Co., Ltd St. John.
" 13	" Yellow.	78142	Hugh B. Pike, St. Stephen, N. B.	"	35	.....	Geo. E. Barbour Co., Ltd St. Stephen.
" 13	" "	78143	J. W. Robinson, St. Stephen N. B.	"	30	.....	"
" 13	" "	78144	Hill Bros, St. Stephen, N. B.	"	30	.....	Jones & Schofield, St. John
" 13	" "	78145	Fred E. Rose, St. Stephen, N. B.	"	30	.....	Empire Flour Mills, St. Thomas Ont.

BEANS

Inspector's Report (Is not an expression of opinion).	Hydro- cyanic acid. Mil- ligrams per 100 grams.	RESULTS OF ANALYSIS		No. of Sample.	Remarks and opinion of the Chief Analyst
		Description of beans			

R. J. WAUGH, INSPECTOR.

Yellow Eye.....	None	Yellow Eye.....	76701	
"	"	"	76702	
Prime.....	"	Common Small White.....	76703	
Yellow Eye.....	"	Yellow Eye.....	76704	
"	"	"	76705	
White.....	"	Common small white.....	76706	
Yellow Eye.....	"	Yellow Eye.....	76707	
Canadian White....	"	Common small white.....	76708	
White.....	"	" " "	76709	
"	"	" " "	76710	
"	"	" " "	76711	
Yellow Eye.....	"	Yellow Eye.....	76712	
White.....	"	Common small white.....	76713	
"	20.5	Burma.....	76714	Excess prussic acid.
"	None	Common small white.....	76715	

JOHN C. FERGUSON, INSPECTOR.

16.3	Burma. Cream color.....	78131	
None	Common small white.....	78132	
"	" " "	78133	
"	Large with yellow eyes.....	78134	
"	Common small white.....	78135	
"	" " "	78136	
"	" " "	78137	
"	Yellow Eye.....	78138	
"	" " "	78139	
"	Common White.....	78140	
"	" " "	78141	
"	Yellow-Eye.....	78142	
"	" " "	78143	
"	" " "	78144	
"	" " "	78145	

Date of Collection		Nature of Sample	Number of Sample	Name and address of Vendor	Cost		Name and Address of Manufacturer or Furnisher as given by the Vendor	
					Quantity	cts.	Manufacturer	Furnisher
DISTRICT OF QUEBEC CITY :—								
1917 August 24	24	Beans	71295	A. L. F. Lamontagne, 376, rue Richardson, Québec.	1½ lb	23	Unknown	J. B. Renaud
"	24	"	71296	Bilodeau & Fils, 38, rue St-Joseph, Québec.	"	21	"	Joseph & Co.
"	24	"	71297	"	"	21	"	Unknown
"	25	"	71298	Arthur Drolet, 714, rue St-Valier, Québec.	"	25	"	Turcotte & Frère.
"	25	"	71299	"	"	25	"	Unknown
"	25	"	71300	"	"	25	"	"
"	25	"	70701	"	"	25	"	Aboosami Kouri, Montreal.
"	25	"	70702	"	"	25	"	"
"	28	"	70703	J. Art. Bédard, 724, rue St-Valier, Québec.	"	30	"	Unknown
"	28	"	70704	J. J. Pépin, 182, rue Massue, Québec.	"	23	"	"
"	29	"	70705	O. Bacon, 28, rue Hermine, Québec.	"	30	"	"
"	29	"	70706	"	"	30	"	"
"	29	"	70707	J. Moreau, 35, rue Victoria, Québec.	"	36	"	J. B. Renaud & Cie.
"	29	"	70708	J. Vézina, 914, rue St-Valier, Québec.	"	23	"	Joseph & Cie.
"	29	"	70709	J. A. Talbot, 123, rue Carillon Québec.	"	27	"	Parent, Cultivateur, Charlesbourg.
Oct.	11	White Beans	70734	J. P. Guy, 152, rue St-Paul, Québec.	3-4lb	12	"	G. Gagné
"	11	Brown bean	70735	"	"	12	"	Laporte & Martin.
"	11	Beans Yellow	70736	"	"	12	"	Leonard, Ottawa.
"	11	Chili Beans	70737	Joseph & Co., 17, rue St-Paul, Québec.	"	13	"	Edm. Bois
"	11	"	70738	J. B. Renaud & Cie, Québec.	"	Nil	"	J. Ward Co., Montreal.
"	11	Japan beans	70739	"	"	"	"	"
"	12	Buritos Beans	70740	G. Tanguay & Fils, 48, rue St-Paul, Québec.	"	"	"	Alfred F. Tanguay
"	12	Japanese Beans	70741	"	"	"	"	"
"	12	Browns Beans	70742	D. E. Drolet & Fils, 50, rue Dalhousie, Québec.	"	"	"	Universal Importing Co., Montreal.
"	12	Red Beans	70743	F. Kirouack & Fils, rue Dalhousie, Québec.	"	45	"	E. Turgeon, Montreal.
"	12	Japanese Beans	70744	J. B. E. Letellier, 92, rue Dalhousie, Québec.	"	Nil	"	J. Ward Co., Montreal.
"	16	Peru Beans	70745	J. J. Turcotte & Cie, 54, rue Dalhousie, Québec.	"	15	"	Edm. V. Bois
"	16	French Beans	70746	O. Lacroix, 10, rue St-Paul, Québec.	"	23	"	Unknown
"	16	Beans	70747	Altner, 78, rue St-Dominique Québec.	"	15	"	"
"	16	"	70748	"	"	12	"	"
"	17	Brown Beans	70749	Dorfman, 79, rue St-Dominique, Québec.	"	15	"	Pastine & Cie
"	17	Italian Beans	70750	"	"	15	"	"
"	17	"	70751	"	"	15	"	"
"	17	"	70752	"	"	15	"	"
"	17	Kohi Beans	70753	Elzéar Turcotte, 74, rue Desfontaines, Québec.	"	15	"	J. B. Renaud & Cie.

BEANS.

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RESULTS OF ANALYSIS

Inspector's
Report
is not an
expression
of
opinion.)Hydro-
cyanic
acid. Mi-
ligrams
per 100
grams.Description
of beans.

No. of Sample.

Remarks,
and opinion
of the
Chief Analyst

F. X. W. E. BELAND, INSPECTOR.

Renaud	None	Common small white	71295	
h & Co.		Kidney shape, Buff colour, with black eye	71296	
own...	"	Mottled Red, (Butter bean) 1/2" long	71297	
otte &	"	Mottled Red, (Butter bean) 1/2" long	71298	
re.	"	Mottled Brown (Butter bean) 1/2" long	71299	
own...	"	Common small white	71300	
"	"	Same as 71296	70701	
seami	6.0	Broad, Average size 1p" x 7-8"	70702	
uri, Mon		Colour white to greenish yellow, Similar to Burma	70703	
al. "	None	Same as 71297	70704	
own...	"	Same as 71297	70705	
"	"	Same as 71299	70706	
"	"	Common small white	70707	
"	"	Large white 1/2" long Smooth	70708	
Renaud	"	" " " "	70709	
Cie.	16.7	Same as 7129	70734	
h & Cie.	None		70735	
ent. Cultiv.	"		70736	
ur, Char-	"		70737	
bourg.	"		70738	
agné...	15.0		70739	
orte &	9.3		70740	
artin.	None		70741	
ard, Ot-	8.1		70742	
va.	None		70743	
n. Bois...	"		70744	
ard Co.,	14.0		70745	
ontreal.	None		70746	
ed F.	"		70747	
guay	"		70748	
versal Im-	"		70749	
ting Co.,	"		70750	
ontreal.	"		70751	
Turgeon,	"		70752	
ontreal.	"		70753	
ard Co.,	"			
ontreal.	"			
n. V. Bois	"			
known...	"			
"	"			
"	"			
"	"			
ine & Cie	"			
"	"			
"	"			
"	"			
B. Renaud	"			
Cie.	"			

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost		Name and Address of Manufacturer or Furnisher as given by the Vendor	
				Quantity	cts.	Manufacturer	Furnisher

DISTRICT OF QUEBEC PROVINCE, O. BROCHU.

1917							
Aug.	27 Brown Beans	6461	J. E. Beaudoin, St-Raphael.	1½lb	23		N. Turcotte.
"	27 White Beans	6462	" "		23		"
"	27 " "	6463	" "		23		F. Kirouac & Fils.
"	27 Beans	6466	Eugène Bolduc, St-Valler.		24		Turcotte & Frères.
"	27 " "	6467	J. A. Lemieux, St-Michel.		23		"
"	28 " "	6470	Geo. Roy, St-Michel.	"	24		Turcotte & Frères.
"	30 " "	6482	Jos. Langlais, Armagh.	"	23		Quebec Preserving.
"	30 Yellow Beans.	6486	Mde A. Duchesneau, Armagh	"	27		N. Turcotte.
"	30 White Beans	6487	" "	"	27		"
"	30 Yellow "	6494	Onésime Noel, Armagh	"	27		A. Carrier, Lévis.
"	30 Brown Beans.	6495	" "	"	27		"
"	22 Beans	5659	Charlemagne Huot, St-Jérôme.	"	30		Hudon Orsall
Sep	10 " "	5674	A. Lavigne, Ste Scholastique	"	30		"
Aug.	20 Canadian Beans	7381	J. E. Gagnon, Montmagny.	"	30		J. B. Renaud Québec.
"	20 Italian Beans	7382	" "	"	27		Turcotte & Frère.
"	20 Brown Beans	7383	" "	"	30		J. B. Renaud Québec.
"	20 White Beans	7388	F. A. Fournier, Montmagny	"	27		Rioux & Pettigrew.
"	25 " "	7603	J. B. Poirier, St. Thomas P.Q.	"	27		" "
"	28 Brown "	7810	P. Morin, Cap St-Ignace.	"	27		" "
"	30 " "	7820	J. A. Corriveau, Montmagny	"	30		Turcotte & Frères.
"	30 White Beans	7824	Ad. Caron, Montmagny.	"	27		P. J. Bussière Québec.
"	20 Beans	7723	Jos. Coté, Trois-Pistoles.	3 pkgs	27		J. Ward, Montréal.
"	22 " "	7730	Ed. Boudreault, Causapcal.	1½lb	27		Turcotte & Frères, Québec.
"	22 Japanese Beans.	7737	Léon Caron, Amqui.	"	27		"
"	24 Beans	7751	J. Desrosiers, Rimouski.	"	18		"
"	24 " "	7752	" "	"	27		Talbot Ltd. Rimouski.
"	28 " "	7759	Gagné & Belzile, St. Fabien	"	27		"

DISTRICT OF THREE RIVERS :-

Aug.	18 Beans	7502	G. H. Read, St. Félix de Valois.	1½lb	30		A. Charbonneau, St Félix de Valois
"	21 " "	7507	J. E. Boulard, St. Jacques	"	26		Hudon Orsall
"	21 " "	7511	Alexis Melançon, St. Jacques	"	25		Montreal.
"	22 " "	7518	L. Brault, St. Jacques l'Achigan.	"	27		L. Z. Magnan Joliette.
"	24 " "	7526	Joseph Lebeau, Ste Julienne	"	26		Jos. Dufresne Joliette
"	24 " "	7533	Ignace Dupuis, Chateaugay.	"	27		Chevalier & Frères, Joliette.

BEANS

Inspector's Report (Is not an expression of opinion).	Hydro- cyanic acid, Mil- ligrams per 100 grams.	RESULTS OF ANALYSIS	No. of Sample.	Remarks and opinion of the Chief Analyst
		Description of beans		

S. CADIEUX, T. GENDREAU, J. H. RIOUX, TEMPORARY INSPECTOR.

.....	None	.....	6461	.....
.....	"	.....	6462	.....
.....	"	.....	6463	.....
.....	"	.....	6466	.....
.....	"	.....	6467	.....
.....	"	.....	6470	.....
.....	"	.....	6482	.....
.....	"	.....	6486	.....
.....	"	.....	6487	.....
.....	"	.....	6494	.....
.....	"	.....	6495	.....
.....	"	.....	5659	.....
.....	"	.....	5674	.....
.....	4.6	.....	7381	.....
.....	None	.....	7382	.....
.....	"	.....	7383	.....
.....	"	.....	7388	.....
.....	"	.....	7803	.....
.....	"	.....	7810	.....
.....	"	.....	7820	.....
.....	14.6	.....	7824	.....
.....	11.9	.....	7723	.....
.....	None	.....	7730	.....
.....	14.3	.....	7737	.....
.....	22.1	.....	7751	Excess prussic acid.
.....	6.4	.....	77	.....
.....	None	.....	77	.....

DR. V. P. LAVALLEE, INSPECTOR.

.....	None	.....	7502	.....
.....	13.0	.....	7507	.....
.....	None	.....	7511	.....
.....	"	.....	7518	.....
.....	7.8	.....	7526	.....
.....	6.3	.....	7533	.....

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost.		Name and address of Manufacturer or Furnisher as given by the Vendor	
				Quantity	cts.	Manufacturer	Furnisher

DISTRICT OF THREE RIVERS—

1917	Aug. 27	Beans.....	7535 Léon Bruneau, St. Félix de Valois.	1½lb	23	.....	Gunn Langlais, Montreal.
	" 28	"	7539 W. Brissette, St-Félix de Valois.	"	23	.....	"
	" 29	"	7541 Félix Champagne, St-Félix de Valois.	"	27	.....	L. Z. Magnan Joliette.
	Sept. 3	"	7557 Alexis Dufresne, Joliette.	"	27	.....	"

DISTRICT OF EASTERN TOWNSHIP —

Aug. 28	Beans	7655 Dame J. B. Deselles, Drummondville.	1½lb	25	Unknown.	.....	.....
" 28	"	7656 F. X Beauregard, Drummondville.	"	25	.....	.....	W Trudel, St-Hyacinthe.
" 29	"	7658 Map. Landry, Drummondville.	"	25	Unknown.	.....	.....
" 29	"	7659 D. A. Cormier, Drummondville.	"	30	.....	.....	Laporte & Martin, Montréal.
" 29	"	7660 M. A. Biron, Drummondville	"	30	Unknown.	.....	.....

DISTRICT OF MONTREAL —

Aug. 21	Beans.....	78926 N. Daout, 481 Notre-Dame St., W. Montreal.	1½lb	27	.....	.....	.....
" 21	"	78927 E. W. Caron, 145 Commissioner St., Montreal.	"	23	.....	.....	.....
" 21	"	78928	"	22	.....	.....	.....
" 21	"	78929 N. Lafortune, Bonsecours Market, Montreal.	"	25	.....	.....	Gunn, Langlais, Co. St. Arnaudet, Fils & Cie
" 21	"	78930 W. Ethier, Bonsecours Market, Montreal.	"	26	.....	.....	.....
" 21	"	78931	"	26	.....	.....	.....
" 22	"	78932 S. Cavey, Villeneuve St., W. Montreal.	"	27	.....	.....	.....
" 22	"	78933 M. Fox, 150 Laurier Avenue, Montreal.	"	30	.....	.....	.....
" 22	"	78934 C. E. Olivier, 1798 St. Lawrence Boul. Montreal.	"	27	.....	.....	.....
" 22	"	78935 J. Schafram, 928 St. Lawrence Boul., Montreal.	"	24	.....	.....	.....
" 22	"	78946 Beauvais Lalonde & Cie., St James St., W., Montreal.	"	30	.....	.....	.....
" 22	"	78947 D. Demetelin, 144 St. Antoin St., Montreal.	"	25	.....	.....	Hudon Orsall & Co
" 22	"	78948 Gaspard Thoulin, Market, Lachine, P. Q.	"	27	.....	.....	Hudon Herbert Cie.
" 22	"	78949 E. Mireault, 33, 18th Avenue Lachine, P. Q.	"	27	.....	.....	.....
" 22	"	78950 J. Duncan, St. Joseph St., Lachine, P. Q.	"	27	.....	.....	.....

DISTRICT OF VALLEYFIELD :—

Sept. 5	Beans.....	78811 A. Massey, St. Johns P. Q.	1½lb	25	.....	.....	.....
" 5	"	78812 A. Moreau, St. Johns, P. Q.	"	23	.....	.....	.....
" 5	"	78813 A. E. Goyette, St. Johns P.Q.	"	24	.....	.....	.....
" 5	"	78814 W. R. Simpson, St. Johns, P. Q.	"	30	.....	.....	.....
" 6	"	78815 J. Bourgeault, 650 Notre-Dame St., St Lambert.	"	26	.....	.....	.....
" 6	"	78816 D. Bishop, 444 Victoria, St. St. Lambert.	"	23	.....	.....	.....

EANS

No. 387—

Furnisher
endor

Furnisher

IVERS—

nn Lan-
is. Mont-
al.Z. Magnan
lette.

SHIP —

Trudel,
Hyacintheorte &
artin.
ontréal.

REAL —

don Orsall
Co
don He-
ort Cie.

FIELD —

Inspector's Report (Is not an expression of opinion.)	Hydro- cyanic acid. Mi- grams per 100 grams.	RESULTS OF ANALYSIS		No of Sample.	Remarks, and opinion of the Chief Analyst
		Description of beans.			

Concluded.

	None		7535	
	"		7539	
	"		7541	
	"		7557	

E. BLONDIN, TEMPORARY INSPECTOR.

	None		7655	
	"		7656	
	"		7658	
	"		7659	
	"		7660	

J. J. COSTIGAN, INSPECTOR.

	None		78926	
Canadian.	"		78927	
Imported.	"		78928	
	19.2		78929	
Imported.	None		78930	
Canadian.	"		78931	
	"		78932	
Marrowfat	"		78933	
	"		78934	
	"		78935	
	"		78946	
	"		78947	
	14.3		78948	
	None		78949	
	"		78950	

J. J. COSTIGAN, ACTING INSPECTOR.

	None		78811	
	"		78812	
	"		78813	
	"		78814	
Imported.	"		78815	
	"		78816	

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost		Name and Address of Manufacturer or Furnisher as given by the Vendor	
				Quantity	Per Cwt.	Manufacturer	Furnisher

DISTRICT OF VALLEYFIELD—

1917	Sept.	7	Beans.....	78817	John Small, Huntingdon, P. Q.	1½lb.	30		
	"	7	"	78818	E. C. McCoy, Huntingdon, P. Q.	"	23		
	"	19	"	78819	L. Pouliot, Chambly Basin.	"	24		
	"	19	"	78820	A. Brien, Chambly Basin.	"	30		
	"	19	"	78821	A. Ostigny, Richelleu, P. Q.	"	23		
	"	26	"	78822	Albert Smith, Greenfield Park	"	27		
	"	28	"	78823	J. E. Leduc, Alexandria.....	"	23		
	"	28	"	78824	J. Sabourin, Alexandria.....	"	27		
	"	28	"	78825	A. Markvon, Alexandria.....	"	15		

DISTRICT OF OTTAWA :—

Aug.	17	Beans.....	77575	E. Ackland, Creighton St., Ottawa.	1½lb	23		H. N. Bate & Sons Ottawa
"	17	"	77580	Mrs. F. M. Crewe, 376 Mc Kay St., Ottawa.	"	30		J. Castle Co.
"	20	"	77583	A. A. Ardley, 427 Bank St., Ottawa.	"	23		
"	21	"	77585	Potter Bros., Somerset & Bronson, Ottawa.	"	30	Unknown.	
"	21	"	77586	Fraser & Shaver, Bronson & James Sts., Ottawa.	1½lb.	20	"	
"	25	"	77590	A. V. McLean, Perth Ont.	1½lb	15	Bruce, Hamilton.	
"	25	"	77594	N. E. Dodds, Perth, Ont. . .	"	18		W. G. Craig Co., Kingston.
"	27	"	77595	J. Bambrick, Byward Market Ottawa.	"	30	Unknown.	
"	27	"	77597	Wall & Co., Byward Market Ottawa.	"	23		Moynour, Ottawa.
"	27	"	77599	Peter Devine Byward Market, Ottawa.	"	23		Matthews & Blackwell, Ottawa.
"	27	"	77600	P. J. Clavey, Byward Market Ottawa.	"	26		F. J. Castle Co., Ottawa.
"	28	"	80401	D. G. Gowan, 1227 Bank St. Ottawa.	"	23	Unknown.	
"	28	"	80403	Stewart & Mulligan, Billings Bridge, Ottawa.	"	25	"	
"	29	"	80406	G. A. Ellis, Renfrew.....	"	25	"	

DISTRICT OF KINGSTON :—

Aug.	20	Beans.....	79931	Chas Saunders, Kingston..	1½lb	20		A. Vanluven
"	20	"	79932	C. H. Pickering, Kingston..	"	23		W. G. Craig Co., Kingston
"	20	"	79933	Anderson Bros, Kingston..	"	20	Unknown.	
"	21	"	79934	R. Elvins, Belleville.....	"	23	"	
"	22	"	79935	M. C. Nicholls, Cobourg.....	"	25	"	
"	22	"	79936	The Thompson MacDonald, Cobourg.	"	30	"	
"	23	"	79937	A. M. Cowling, Peterboro..	"	25		Perkins Ince Peterboro.
"	23	"	79938	J. E. Lillico, Peterboro.....	"	23		Lumsden Bros Hamilton.

BEANS

Inspector's Report (Is not an expression of opinion).	Hydro- cyanic acid. Mil- ligrams per 100 grams.	RESULTS OF ANALYSIS		No. of Sample.	Remarks and opinion of the Chief Analyst
		Description of beans			
Concluded.					
	None			78817	
	"			78818	
	"			78819	
	"			78820	
	"			78821	
	"			78822	
	"			78823	
	20.4			78824	(Excess prussic acid.)
	None			78825	

J. A. RICKEY, INSPECTOR

Japanese	0.3	77575
"	11.3	77580
"	17.8	77583
"	None	77585
Chinese	15.1	77586
Black Eye	None	77590
"	13.8	77594
Rangoon	8.9	77595
"	None	77597
Japanese	6.7	77599
"	15.4	77600
"	9.7	80401
"	7.3	80403
"	9.5	80406

JAMES HOGAN, INSPECTOR

	None	79931
	"	79932
	"	79933
	"	79934
	"	79935
	"	79936
	8.9	79937
	8.6	79938

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost		Name and Address of Manufacturer or Furnisher as given by the Vendor	
				Quantity	etc.	Manufacturer.	Furnisher

DISTRICT OF KINGSTON—

1917	Aug.	23	Beans.	79939	The Peterboro Cooperative, Peterboro	1½lb	23	.....	W. J. Okc., Peterboro.
	"	23	"	79940	Porter S. White, Peterboro.	"	33	.....	Rannio. To ronto
	"	23	"	79941	R. H. Hunter, Peterboro...	"	30	.....	C. Rishor, Peterboro.
	"	23	"	79942	W. H. Hamilton, Peterboro	"	30	.....	Byers
	"	23	"	79943	J. Curtis, Port Hope.....	"	30	.....	H. Sculshorpe Port Hope.

DISTRICT OF TORONTO —

Aug.	25	Beans.....	80828	C. W. Varcoe, 585 Parliament St., Toronto.	1½lb	23	.....	Unknown. .
"	25	"	80829	B. Cameron, 243 Greenwood Ave. Toronto.	"	30	.....	"
"	25	"	80830	E. Sullivan, 1338 Gerrard St. Toronto.	"	23	.....	J. A. Simmers Ltd, Toron- to.
"	27	"	80831	B. Heller, 341 Bathurst St., Toronto.	"	33	.....	Diadem flour Co. Toronto
"	27	"	80832	W. J. Lovegrove, 176 Bell- woods Ave., Toronto.	"	30	.....	Midland Bros Toronto.
"	25	"	80833	H. R. Crawford, 308 Saurau- ren Ave., Toronto.	"	30	.....	Unknown. .
"	25	"	80834	H. W. Nalt, 125 Saurau- ren Ave. Toronto.	"	27	.....	"
"	28	"	80835	Island & Bamford, 282 Dun- das St., Toronto.	"	30	.....	"
"	28	"	80836	F. Sanson, 514 Dundas St., Toronto.	"	30	.....	Wm. Rennie Seed Co., Ltd Toronto.
"	28	"	80837	M. J. Jobin & Co 1667 Dun- das St., Toronto.	"	33	.....	Wm. Rennie Seed Co., Ltd Toronto.
"	28	"	80838	E. J. Ritter, 420 St. Johns Road W., Toronto	"	33	.....	Armstrong & Pafford.
"	28	"	80839	C. Agins, 2162 Dundas St., Toronto.	"	30	.....	S. P. Wilson, Toronto.
"	29	"	80840	Bruce & Sanderson, 377 Par- ment St., Toronto.	"	27	.....	White & Co., Toronto.
"	29	"	80841	J. Burns, 214 Wilton Avenue Toronto.	"	30	.....	Unknown.
"	29	"	80842	W. J. Nichols, 258 Queen St. E., Toronto.	"	32	.....	Jas. Lumbers & Co. Toronto.

DISTRICT OF HAMILTON—

Sept.	4	Beans.....	80865	A. R. Finlayson, Lucknow..	1½lb	25	.....	Unknown...
"	4	"	80866	A. B. Blissett, Kincardine....	"	15	.....	"
"	4	"	80867	J. B. Russell, Kincardine..	"	24	.....	Wm. Rennie Seed Co Ltd Toronto.
"	5	"	80868	Rapel Bros, Underwood....	"	19	.....	Unknown...
"	5	"	80869	Henry Ebert, Port Elgin...	"	25	Galelb Krauth ..	.....
"	6	"	80470	L. C. Spofford, Paisley....	"	38	.....	Wm. Rennie Seed Co., Ltd Toronto.
"	7	"	80871	Hunstein & Wittork, Cargill	"	27	.....	Unknown.
"	7	"	80873	J. Cunningham, Glanmis....	"	30	.....	W. T. Morris Co., Ltd C- wen Sound.

BEANS.

Inspector's Report (is not an expression of opinion).	Hydrocyanic acid. Milligrams per 100 grams.	RESULTS OF ANALYSIS		No. of Sample.	Remarks and opinion of the Chief Analyst
		Description of beans			
cluded.					
	None			79939	
	"			79940	
	"			79941	
	"			79942	
	"			79943	

H. J. DAGER, INSPECTOR.

	None		80828	
	None		80829	
	13.5		80830	
	3.2		80831	
	None		80832	
	17.1		80833	
	4.6		80834	
	None		80835	
	"		80836	
	11.3		80837	
	9.7		80838	
	None		80839	
	5.4		80840	
	16.5		80841	
	7.3		80842	

H. J. DAGER, ACTING INSPECTOR.

	20.8		80865	Excess prussic acid.)
	3.0		80866	
	None		80867	
	"		80868	
	"		80869	
	"		80870	
	8.6		80871	
	8.9		80873	

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost		Name and Address of Manufacturer or Furnisher as given by the Vendor	
				Quantity	Cost	Manufacturer	Furnisher

DISTRICT OF HAMILTON—

1917 Sept.	4 Beans	80674	Smith & O'Connell, Walkerton.	1½lb.	30		Wm. Rennie Seed Co., Ltd. Toronto.
"	"	80675	W. G. Searle, Walkerton.	"	30		Unknown.
"	"	80676	Jas. Foley, 31 King St., Catherine.	"	38		"
"	"	80677	The Duff Stores Co., Ltd 216 York St., Hamilton.	"	36		J. A. Simmers Ltd, Toronto
"	"	80678	G. Sharp, 475 King St. E. Hamilton.	"	23		Balfour Smye & Co., Hamilton.
"	"	80679	E. B. Echlin, 184 Lock St. S. Hamilton.	"	23		J. A. Bruce & Co., Ltd., Toronto.

DISTRICT OF WINDSOR—

Sept.	4 Beans	65284	Wm. Potter, Chatham, Ont.	1½lb	27		Jas. Soutar, Raleigh.
"	"	65294	A. T. Smith, Chatham, Ont.	"	25		McCorrie.
"	"	65295	H. Bernstein, Windsor, Ont.	"	23	Unknown.	
"	"	65298	Cherney Grocer Co., Windsor, Ont.	"	28	"	
"	"	65305	J. W. McKenney, Windsor.	"	30	"	
"	"	65309	N. Vanidur, Leamington.	"	27		Kent Mill & Flour Co., Chatham.
"	"	65318	D. L. Gibb, St. Mary's.	"	27	Unknown.	
"	"	65322	W. R. Butcher, St. Mary's	"	30	"	
"	"	65323	G. D. Haigh, Seaforth.	"	30	"	
"	"	65325	Sproat & Sproat, Seaforth.	"	27	"	

DISTRICT OF NORTHERN ONTARIO—

"	23 Beans	78637	Frank Hensman, New Liskeard.	3-4lb	15		Unknown.
"	"	78644	F. C. Preston, Co., Halleybury.	1½lb	30		Kent Farmers Produce Co.
"	"	78647	A. J. Carson, Halleybury.	"	30		A. J. Young Co., North Bay.
"	"	78649	A. E. Adshead, Halleybury.	"	27		S. J. Major, Ottawa.
"	"	78650	Geo. McNeil, Halleybury.	"	23		T. Long Co., Collingwood.
"	"	78652	Watson Co., New Liskeard.	"	23		
"	"	78656	Grill Co., New Liskeard.	"	20		A. J. Young Co., North Bay.
"	"	78657	Northland Stores, Cobalt.	"	23		Gunn's Ltd, Toronto.
"	"	78662	Victor Roy, Earleton.	"	20		Unknown.
"	"	78665	R. P. Graham, Cobalt.	"	23		"
"	"	78668	J. K. Battah, Cobalt.	"	38		"
"	"	78671	C. H. Ham, Englehart.	"	23		"
"	"	78674	D. Korman, Englehart.	"	22		"

BEANS.

Inspector's Report (Is not an expression of opinion).	Hydro- cyanic acid Mi ligrane per 100 grams	RESULTS OF ANALYSIS		No. of Sample.	Remarks and opinion of the Chief Analyst
		Description of beans			
Concluded					
	None			80874	
	"			80875	
	3.8			80876	
	3.8			80877	
	12.7			80878	
	None			80879	

JOHN TALBOT, INSPECTOR.

	None		65284	
	"		65294	
	18.1		65295	
	None		65296	
	"		65305	
	"		65309	
	11.6		65318	
	14.9		65322	
	None		65323	
	"		65325	

THOS. E. ARMSTRONG, INSPECTOR.

	10.0		78637	
	None		78644	
	9.2		78647	
	4.9		78649	
	None		78650	
	"		78652	
	21.3		78656	Excess prussic acid
	None		78657	
	"		78662	
	8.1		78665	
	None		78668	
	"		78671	
	19.5		78674	

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cts.	Manufacturer.	Furnisher

DISTRICT OF MANITOBA :—

1917 Aug.	29 White Beans	79565	E. E. Reisherry, Rapid City	3 pkgs	25		Campbell Bros & Wilson, Winnipeg.
Sept.	8 Brown "	79566	P. McKay & Son, Swan River	"	15	John Marrin Co., Winnipeg.	
"	8 White Beans	79567	E. Cow, Swan River	"	25		Codville Co., Winnipeg.
"	10 "	79568	F. E. Renouf, Bowsman	"	25		A. MacDonald, Winnipeg.
"	11 "	79569	V. Smith, The Pas	"	20		Campbell Bros & Wilson, Winnipeg.
"	11 "	79570	Mrs. A. Dempsey, The Pas	"	20		MacDonald & Chapman, Winnipeg.
"	11 "	79571	Burton & Salter, The Pas	"	20		Brandon Grocery, Brandon.
"	11 "	79572	Union Supply Co., The Pas	"	25		Weidman Bros, Winnipeg.
"	11 "	79573	J. C. Quigley, The Pas	"	25		Campbell Bros & Wilson, Winnipeg.
"	11 "	79574	Armstrong Trading Co., The Pas	"	20		Cameron & Heap, Dauphin.
"	11 "	79575	H. Nicholls, The Pas	"	25		Codville Co., Winnipeg.
"	11 "	79576	Louis Allard, The Pas	"	20		A. MacDonald Co., Winnipeg.
"	11 "	79577	T. Kowalewsky, The Pas	"	15		Unknown.
"	24 Lima Beans	79578	J. J. Jackson, 252 Main St., Winnipeg.	"	30		"
"	24 White Beans	79579	R. F. Wood, 198 Smith St., Winnipeg.	"	30		A. MacDonald, Winnipeg.

DISTRICT OF SOUTHERN SASKATCHEWAN :—

Aug.	28 Beans	76903	The Fort Trading Co., Fort Qu'Appelle	1 1/2 lb	25		Campbell & Wilson & Strathdee, Regina.
"	28 "	76905	James MacDonald, Fort Qu'Appelle	"	20		McLean Grocery Co., Regina.
"	28 "	76908	Hudson's Bay Co., Fort Qu'Appelle	"	15		Hudson's Bay Co., Winnipeg.
"	28 "	76912	Tipling & Beldin, Balcarres	"	15		Codville Co., Brandon.
"	28 "	76916	A. S. Drummond Co., Balcarres	"	20		"
"	29 "	76918	Hudson's Bay Co., Yorkton	"	30		Hudson's Bay Co., Winnipeg.
"	30 "	76927	M. Rotstein, Yorkton	"	25		Yorkton Grocery, Yorkton.
"	30 "	76931	Levi Beck, Yorkton	"	25		A. MacDonald Co., Yorkton.
Sept.	20 "	76933	Kent & Brown Co. Ltd., Moose Jaw	"	25		MacDonald, Crawford Co., Moose Jaw

BEANS.

Inspector's Report (Is not an expression of opinion.)		Hydro- cyanic acid. Mil- ligrams per 100 grams.	RESULTS OF ANALYSIS		No. of Sample.	Remarks, and opinion of the Chief Analyst
			Description of beans.			
J. B. COSGROVE, INSPECTOR.						
.....	12.1	White, striated Burma.....	Medium size..	79565	.....
.....	1.4	Mottled Brown.....	Medium size..	79566	.....
.....	10.8	White, striated Burma.....	Medium size..	79567	.....
.....	9.4	" " ".....	" " "	79568	.....
.....	15.6	" " ".....	" " "	79569	.....
.....	13.5	" " ".....	" " "	79570	.....
White Chinson....	13.5	" " ".....	" " "	79571	.....
White Pea Beans	17.5	" " ".....	" " "	79572	.....
.....	1.6	White, Navy.....	Small size....	79573	.....
.....	13.5	White, striated Burma.....	Medium size..	79574	.....
.....	1.4	White, Navy.....	Small size....	79575	.....
.....	14.8	White striated Burma.....	Medium size..	79576	.....
.....	1.4	White, Navy.....	Small size....	79577	.....
.....	4.0	White, striated, Lima.....	Very large size	79578	.....
.....	17.5	White, striated Burma.....	Medium size..	79579	.....

L. H. HALL, INSPECTOR.

.....	16.2	White, striated, Burma.....	Medium size..	76903	.....
.....	2.7	White, Navy.....	Small size....	76905	.....
.....	2.7	White, Navy.....	Small size....	76906	.....
.....	18.9	White striated, Burma.....	Medium size..	76912	.....
.....	1.4	Mixed, white & Brown Navy.....	Small size....	76916	.....
.....	14.8	White striated, Burma.....	Medium size..	76918	.....
.....	15.1	White, striated, Burma.....	Medium size..	76927	.....
.....	15.1	" " ".....	" " "	76931	.....
.....	12.1	" " ".....	" " "	76933	.....

Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of vendor.	Cots.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cts.	Manufacturer.	Furnisher.

DISTRICT OF SOUTHERN SASKATCHEWAN—

1917	Sept 21	Beans	76934 S. D. McMicken, Moose Jaw	1½ lb.	25		
	" 21	"	76941 McBrides Ltd., Moose Jaw.	"	20		
	" 21	"	76943 West End Grocery, Moose Jaw.	"	20		Codville Co., Moose Jaw.
	" 21	"	76944 McLean Grocery, Moose Jaw	"	25		"
	" 22	"	76945 C. Williams, Moose Jaw.	"	15		A. MacDonald, Moose Jaw.
	" 22	"	76948 Geo. A. Tapley, Moose Jaw.	"	20		McDonald, Crawford Co., Moose Jaw.

DISTRICT OF NORTHERN SASKATCHEWAN—

Aug.	30	Beans	78522 Thos. Homes, Prince Albert..	1 lb	10		Cameron & Heap, Prince Albert.
"	30	"	78525 D. Robinovich, Prince Albert	3-4 lb	10		"
"	31	"	78528 Union Trading Co., Prince Albert.	"	15		"
Sept.	1	"	78534 Prince Bros., Ltd. Battleford	"	10		A. M. McDonald Co., Battleford.
"	6	"	78536 F. R. McMillan, Saskatoon.	"	10		A. McDonald Co., Saskatoon.
"	6	"	78540 White Grocers Ltd., Saskatoon.	"	15		Campbell & Miller, Saskatoon.
"	8	"	78544 Hafford Trading Co., Hafford.	1 lb	15		A. McDonald Co., North Battleford
"	12	"	78545 C. E. Boland, Denholm.	3-4 lb	"		"
"	20	"	78550 Dion Bros. Cut Knife.	"	10		Campbell, Wilson & Miller, Saskatoon.
"	20	"	78553 E. A. Dillman, Cut Knife	"	10		Codville Co., Saskatoon.
"	21	"	78555 S. Raymond, Carruthers.	"	10		A. McDonald Battleford.
"	27	"	78558 H. B. Amos & Co, Kamsach	1½ lb	25		Cameron & Heap, Dauphin.
"	27	"	78561 M. Adilman, Kamsach.	"	25		Codville Co., Winnipeg.

DISTRICT OF ALBERTA —

Aug.	20	Beans	52763 Kerr & Poterfield, Calgary	1½ lb	30		Louis Petrie, Co., Calgary.
"	20	"	52764 " " "	"	23		W. H. Malkin Co., Vancouver.
"	20	"	52765 S. G. Freeze, Calgary.	"	30		"
"	20	"	52766 " " "	"	30		"
"	23	"	52767 Geo. A. Miller, 619 3rd St., N. E. Calgary.	"	22		L. T. Newbarn Co., Calgary.
"	30	"	52768 W. Wood Roberts, Calgary.	"	30		Louis Petrie Co., Calgary.
"	20	"	52769 F. W. Maggs, Cochrane, Alta	"	25		Campbell, Wilson & Horne, Calgary.

BEANS.

Inspector's Report (Is not an expression of opinion.)	Hydro- cyanic acid. Mil- ligrams per 100 grams.	RESULTS OF ANALYSIS		No. of Sample.	Remarks and opinion of the Chief Analyst
		Description of beans.			

Concluded.

.....	15.1	White striated Burma.....	Medium size.....	70934	.....
.....	16.2	" " " " " " " "	" " " " " " " "	70941	.....
.....	18.9	" " " " " " " "	" " " " " " " "	70943	.....
.....	1.4	White Navy.....	Small size.....	70944	.....
.....	1.4	" " " " " " " "	" " " " " " " "	70945	.....
.....	1.4	" " " " " " " "	" " " " " " " "	70948	.....

J. M. DANIS, INSPECTOR.

.....	17.5	White, striated, Burma.....	Medium size.....	78522	.....
.....	16.2	" " " " " " " "	" " " " " " " "	78525	.....
.....	8.1	" " " " " " " "	" " " " " " " "	78528	.....
.....	18.9	" " " " " " " "	" " " " " " " "	78534	.....
.....	10.8	" " " " " " " "	" " " " " " " "	78536	.....
.....	18.9	" " " " " " " "	" " " " " " " "	78540	.....
.....	13.5	" " " " " " " "	" " " " " " " "	78544	.....
.....	17.5	" " " " " " " "	" " " " " " " "	78545	.....
.....	16.2	" " " " " " " "	" " " " " " " "	78550	.....
.....	19.4	" " " " " " " "	" " " " " " " "	78553	.....
.....	12.1	" " " " " " " "	" " " " " " " "	78555	.....
.....	16.2	" " " " " " " "	" " " " " " " "	78558	.....
.....	13.5	" " " " " " " "	" " " " " " " "	78651	.....

A. W. R. MARKLEY, INSPECTOR.

Bayo.....	1.4	Mottled Brown.....	Large size.....	52763	.....
Navy.....	2.1	White Navy.....	Medium size.....	52764	.....
Lima.....	4.1	White striated Lima.....	Very large.....	52765	.....
Navy.....	1.4	White, Navy.....	Medium size.....	52766	.....
.....	1.4	White, Navy.....	Small size.....	52767	.....
.....	2.7	White, Navy.....	Small size.....	52768	.....
Navy.....	1.6	White, Navy.....	Small size.....	53769	.....

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost		Name and Address of Manufacturer or Furnisher as given by the Vendor	
				Quantity	cts.	Manufacturer	Furnisher

DISTRICT OF ALBERTA.—

1917	Aug.	29	Beans.	52770	R. A. Webster, Cochrane, Alta.	1½ lb.	27	.....	Codville Co., Medicine Hat.
	"	29	"	52771	"	"	33	.....	"
	"	30	"	52772	Dominion Grocery, 17st Ave W., Calgary.	"	20	.....	Louis Petrie, Co., Calgary.
	"	31	"	52773	Producers Outlet, 2120 4th St., W., Calgary.	"	25	.....	L. T. Mewburn & Co., Calgary.
	"	31	"	52774	Robt. Burns, 2201, 4st St., Calgary.	"	20	.....	"
	"	31	"	52775	"	"	20	.....	Unknown....
	"	31	"	52776	W. J. Gray, 17th Ave. W., Calgary.	"	25	.....	Louis Petrie, Co., Calgary.
	"	31	"	52777	L. Draper, 17th Ave. W. Calgary.	"	25	.....	Simmington & Co., Calgary.

DISTRICT OF ROCKY MOUNTAINS :—

Sept.	17	Beans White	68464	J. J. Ling & Co., Ashcroft....	1½ lb	20	LurKee, Ashcroft	.....
"	17	Beans Brown	68465	Harvey Bailey Ltd., Ashcroft	"	35	Unknown....	.....
"	18	Beans Brown	68481	R. McCall, Kamloops.....	"	25	L. C. Sam, Savona.	.....
"	18	Beans White	68482	"	"	25	.....	.....	R. P. Rithet & Co, Victoria.
"	20	Beans White	68487	L. C. Masson, Revelstoke....	"	30	.....	.....	W. H. Malkin Co., Vanc.
"	20	Beans Brown	68488	"	"	25	.....	.....	Kelly, Douglas & Co., Vancouver.
"	20	Beans Brown	68489	A. Hobson, Revelstoke.....	"	25	.....	.....	W. H. Malkin Co., Vancouver.
"	20	Beans White	68490	"	"	25	.....	.....	Kelly Douglas Co., Vancouver.
"	26	Beans White	68490	R. A. Smith, Moyie, B. C...	"	25	.....	.....	Cranbrook Jobbers, Nelson.
"	26	Beans White	68512	Star Grocery, Nelson.....	"	30	.....	.....	Nelson Jobbers, Nelson
"	26	Beans Brown	68513	"	"	30	.....	.....	"
"	26	Beans Brown	68514	Hudson's Bay Co, Nelson....	"	25	Unknown....	.....
"	26	Beans White	68515	"	"	25	"	.....
"	26	Beans Lima	68516	"	"	25	"	.....

DISTRICT OF VANCOUVER :—

Oct.	29	Beans.....	76131	S. Lassen, 321 Hastings St., E. Vancouver.	1½ lb	15	.....	.....	Lesson Dickie Gross & Co., Vanc.
"	29	"	76132	McCulloch Bros, 422 Hasting St., E., Vancouver.	"	25	.....	.....	Kelly Douglas & Co., Vancouver.
"	29	"	76133	S. Goransen, 328 Hastings St. E. Vancouver.	"	25	.....	.....	Malkin Co., "
"	29	"	76134	Efford Bros, 573 Broadway St., Vancouver.	2lbs.	30	.....	.....	"
"	29	"	76135	McCartney & Co., 515 Broadway, St., Vancouver.	1½ lbs.	25	.....	.....	Lesson Dickie Gross & Co., Vanc.

BEANS

Inspector's Report (is not an expression of opinion.)	Hydrocyanic acid Milligrams per 100 grams	RESULTS OF ANALYSIS		No. of Sample.	Remarks and opinion of the Chief Analyst
		Description of bean.			

Concluded.

Burma	8.1	White striated, Burma	Medium size	52770	
Lima	4.5	White striated, Lima	Very large size	52771	
Navy	2.9	White, Navy	Small size	52772	
"	1.4	White, Navy	Small size	52773	
"	4.3	White, Navy	Medium size	52774	
Lima	5.4	White striated, Lima	Very large size	52775	
Navy	1.4	White Navy	Medium size	52776	
"	2.1	White, Navy	Small size	52777	

THOS. PARKER, INSPECTOR.

	None	White, Medium	68464	
	"	Ashcroft yellow butter	68465	
	"	White Small	68481	
	"	Burma Brown	68482	
	13.0	Burma White	68487	
	None	Quail Medium	68488	
	None	Ashcroft, Salmon	68489	
	"	White Small	68490	
	"	White Medium	68499	
	"	White Medium	68512	
	"	Ashcroft, Salmon	68513	
	"	Ashcroft, Salmon	68514	
	"	White Small	68515	
	4.0	Lima	68516	

G. G. ARMYTAGE, INSPECTOR.

	1.0	Mixture 95% White medium & 5% Burma white	76131	
	None	White Small	76132	
	17.0	Burma White	76133	
	None	White Small	76134	
	15.0	Burma White	76135	

Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of vendor.	Cots.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cts.	Manufacturer.	Furnisher.

DISTRICT OF VANCOUVER.—

1917							
Oct.	20	Beans.	76136 Carter's Grocery, 254 Broadway, Vancouver.	2lbs.	40		W. H. Malkin Co., Ltd Vancouver.
"	30	"	76137 Annandale Supply Co., New Westminster.	"	25	Unknown.	
"	30	"	76138 C. A. Welsh Ltd. New Westminster.	"	25		Kelly Douglas & Co.
"	30	"	76139 Seymour Grocery, Seymour & Nelson, Vancouver.	1½lbs.	25		W. H. Malkin Co., Ltd Vancouver.
"	30	"	76140 Calladine, 2242 Granville St Vancouver.	2lbs.	25		Kelly Douglas & Co., Vancouver.
"	30	"	76141 W. F. Stafford, 2435 Granville St., Vancouver.	1½lbs.	20		Unknown.
"	30	"	76142 W. W. Thompson, 2441 Granville St., Vancouver.	2lbs.	25		"
"	30	"	76143 A. B. Tigar, 829 Broadway W., Vancouver.	"	25		J. Phillips & Co., Ltd Vancouver.
"	30	"	76144 E. T. Givins, 887 Broadway W., Vancouver.	"	25		Unknown.
"	30	"	76145 F. C. Wood, 1077 Broadway, W. Vancouver.	"	25		J. Phillips & Co., Ltd Vancouver.

DISTRICT OF VICTORIA —

Oct.	22	Beans	75982 Dixi N. Ross & Co., 1317 Govt., St., Victoria.	1½lb.	30		Unknown.
"	22	"	75983 Copas & Young, 633 Fort St. Victoria.	"	24		"
"	22	"	75984 Quadra Hillside Cash Grocery, 1100 Hillside Ave., "	"	23		W. H. Malkin Co.
"	23	"	75985 People's Cash Grocery, 749 Yates, St., Victoria.	3lbs.	45		Unknown.
"	23	"	75986 E. B. Jones, 1802 Cook St., Victoria.	1½lb	25		Pither & Lister, Victoria.
"	23	"	75987 Windsor Grocery Co., 817, Govt. St., Victoria.	"	20		Unknown.
"	24	"	75988 Fairfield Grocery, 259 Cook St., Victoria.	"	25		"
"	24	"	75989 J. F. Thompson, Vancouver & Fairfield, Victoria.	2lbs.	25		Wilson Bros. Victoria.
"	24	"	75990 Newport Grocery, Newport & Saratoga, Victoria.	"	25		"
"	25	"	75991 Western Grocery Co., 765, Fort St., Victoria.	1½lb.	25		Unknown.
Nov.	2	"	75992 Western Mercantile Co., Nanaimo, B. C.	"	25		"
"	2	"	75993 Harvey Trading Co., Nanaimo, B. C.	2lbs.	25		"
"	2	"	75994 J. S. Knarston, Nanaimo, B. C.	"	25		A. MacDonald & Co., Vancouver
"	2	"	75995 Workmen's Cooperative Assn Nanaimo, B. C.	"	25		Wilson Bros. Victoria.
"	2	"	75996 Thompson Cowie & Stockwell, Nanaimo, B. C.	"	25		Unknown.

BEANS

Address
or Furnisher
Vendor.

Furnisher.

Inspector's Report (Is not an expression of opinion).	Hydro- cyanic acid. Mil- ligrams per 100 grams.	RESULTS OF ANALYSIS		No. of Sample.	Remarks and opinion of the Chief Analyst
		Description of beans.			

Concluded.

COUVER.—

W. H. Malkin Co., Ltd Van- couver.	4.0	Lima	76136
	12.0	Burma White	76137
	14.0	" "	76138
Kelly Dou- glas & Co. W. H. Malkin Co., Ltd Van- couver.	11.0	" "	76139
Kelly Dou- glas & Co. Vancouver.	13.0	" "	76140
Unknown....	8.0	Mixture, 40% Medium White, & 60% Burma white.	76141
"	1.0	Mixture 90% Medium white & 10% Burma white.	76142
J. Phillips & Co., Ltd Van- couver.	12.0	Burma, White	76143
Unknown....	14.0	Burma, White	76144
J. Phillips & Co., Ltd Vancouver.	12.0	" "	76145

CTORIA —

G. G. ARMYTAGE, ACTING INSPECTOR.

Unknown....	18.0	Burma white.	75982
"	14.0	" "	75983
W. H. Malkin Co.	15.0	" "	75984
Unknown....	20.0	" "	75985
Pither & Lei- ser, Victoria.	18.0	" "	75986
Unknown....	12.0	" "	75987
"	None	Daifuku mame.	75988
Wilson Bros. Victoria.	12.0	Burma White.	75989
"	12.0	" "	75990
Unknown.	12.0	" "	75991
"	15.0	" "	75992
"	13.0	" "	75993
"	17.0	" "	75994
A. MacDo- nald & Co. Vancouver	15.0	" "	75995
Wilson Bros. Victoria.	19.0	" "	75996
Unknown....			